ENVIRONMENTAL DESIGN (EDES)

EDES Courses

**EDES 101. Introduction to Architecture and Environmental Design. 2 units**
Familiarization with the professional fields of architecture, landscape architecture, structural engineering, construction, and city planning. Introduction to the college's programs as they relate to individual aptitudes. The design process. Visiting speakers. 2 lectures.

**EDES 123. Principles of Environmental Design. 4 units**
2019-20 or later catalog: GE Area E
2017-19 or earlier catalog: GE Area D4
Recommended: Previous or concurrent enrollment in ARCH 131 for ARCH majors.
Introduction to the individual's and societal relation with the designed and built environment, and its impact on natural resource consumption, identity, behavior, community, and human health, safety, and general well-being. Study of the individual and role of design in community development and in making and preserving culture. Diverse perspectives including designers, engineers, governing bodies, and individual users. 2 lectures, 2 discussions. Fulfills GE Area E (GE Area D4 for students on the 2017-19 or earlier catalogs).

**EDES 350. The Global Environment. 4 units**
2020-21 or later: Upper-Div GE Area B
2019-20 catalog: GE Area B7
2017-19 or earlier catalog: GE Area F
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; and completion of GE Areas B1 through B4, with a grade of C- or better in one course in GE Area B4 (GE Area B1 for students on the 2019-20 or earlier catalogs).
Interdisciplinary investigation of how human activities impact the Earth's environment on a global scale. Examination of population, resource use, climate change, and biodiversity from scientific/technical and social/economic/historical/political perspectives. Use of remote sensing maps. Sustainable solutions. 4 lectures. Crosslisted as AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 350. Fulfills GE Upper-Division B (GE Area B7 for students on the 2019-20 catalog; GE Area F for students on earlier catalogs).

**EDES 406. Sustainable Environments. 4 units**
Prerequisite: Fourth year or graduate standing.
Collaboration of interdisciplinary faculty and guest speakers/panelists. Introduction, illustration and analysis of concepts and principles for sustainability to be used in all aspects of environmental design. Integration and application of knowledge of human and natural systems with environmental, social and economic concerns, from a global-to-local perspective. 4 lectures.

**EDES 408. Implementing Sustainable Principles. 4 units**
Prerequisite: EDES 406.
A primarily project-based course, intended to aid students who wish to collaborate with the purpose of implementing sustainability principles by developing tools, process or designs, for community-based projects and proposals at various scales of planning, architecture and design of the human environment to address social, environmental and economic issues. 4 lectures.

**EDES 410. Advanced Implementation of Sustainable Principles. 4 units**
Prerequisite: EDES 408.
Advanced continuation of community-based projects defined and initiated in EDES 408. Ongoing projects, individual and group, address variable scales of planning, architecture, and environmental design, with required completion at the end of the course. 2 seminars and supervised work.